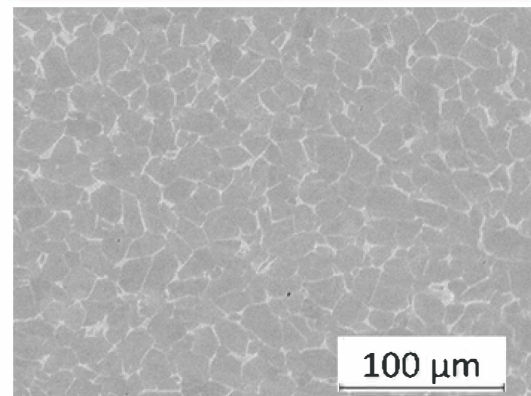
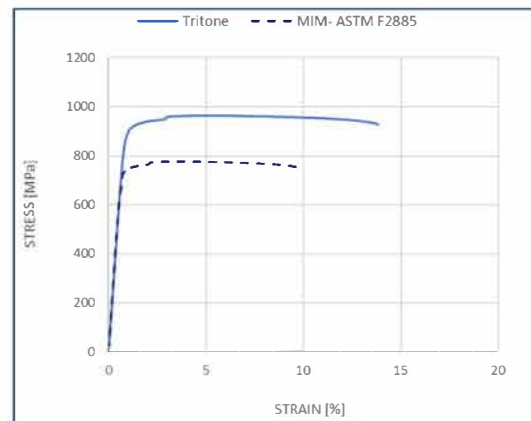


Material datasheet

Ti64 Titanium Alloy

Composition – According to ASTM B348/ASTM F2885

| Composition | Amount |
|-------------|------------|
| Aluminium | 5.5-6.75% |
| Vanadium | 3.5-4.5% |
| Carbon | 0.08% max |
| Oxygen | <0.25% max |
| Iron | 0.30% max |
| Titanium | Bal. |



Typical Mechanical Properties

| | Standard | Tritone | MIM - Surgical ASTM F2885 | MIM ISO 22068 | Wrought ASTM B348 |
|--------------------------------|-----------|---------|---------------------------|---------------|-------------------|
| Ultimate Tensile Strength, MPa | ASTM E8 | 960 | 780 | 800 | 895 |
| 0.2% Yield Strength, MPa | ASTM E8 | 890 | 680 | 600 | 828 |
| Elongation at Break, % | ASTM E8 | 14 | 10 | 3 | 10 |
| Relative density, % | ASTM B962 | 97 | 96 | 95 | 100 |